

Title (en)

OLED ARRAY SUBSTRATE, MANUFACTURING METHOD THEREOF, PACKAGING STRUCTURE AND DISPLAY DEVICE

Title (de)

OLED-ARRAYSUBSTRAT, HERSTELLUNGSVERFAHREN DAFÜR, VERPACKUNGSSTRUKTUR UND ANZEIGEVORRICHTUNG

Title (fr)

SUBSTRAT DE RÉSEAU DE DELO, SON PROCÉDÉ DE FABRICATION, STRUCTURE D'ENCAPSULATION ET DISPOSITIF D'AFFICHAGE

Publication

EP 3240033 A4 20180815 (EN)

Application

EP 15860030 A 20151117

Priority

- CN 201410832038 A 20141226
- CN 2015094767 W 20151117

Abstract (en)

[origin: US2017170423A1] An OLED array substrate and a method for manufacturing the same, an OLED packaging structure and a display device are provided by the present disclosure. The OLED array substrate includes thin film transistors, anodes, cathodes and organic light-emitting layers arranged between the anodes and the cathodes. The OLED array substrate further includes spacers configured to support the OLED array substrate and a packaging substrate so as to form a cell gap therebetween. Each cathode includes a first region which covers the corresponding first spacer and a second region beyond the first regions, and a thickness of the cathode at the first region is larger than a thickness of the cathode at the second region.

IPC 8 full level

H01L 27/32 (2006.01); **H10N 10/856** (2023.01); **H01L 51/52** (2006.01)

CPC (source: EP US)

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H10K 59/8723 (2023.02 - EP); **H10K 71/60** (2023.02 - US); **H10K 59/12** (2023.02 - EP US); **H10K 2102/351** (2023.02 - EP US)

Citation (search report)

- [XII] CN 104064686 A 20140924 - SHANGHAI TIANMA ORGANIC LIGHT EMISSION DISPLAY TECHNOLOGY CO LTD, et al
- [X] EP 2182564 A1 20100505 - SAMSUNG MOBILE DISPLAY CO LTD [KR]
- See also references of WO 2016101731A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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EP 3240033 A4 20180815; EP 3240033 B1 20220824; WO 2016101731 A1 20160630

DOCDB simple family (application)

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